

BLASTABLE ADHESIVES

Blastable Application Adhesives for Sandcarving are water-soluble adhesives that effectively transfer photoresist film to your substrate. These adhesives can be applied by brushing or spraying. Simply apply a thin coat of adhesive to your object or mask depending on adhesive instructions, adhere your photoresist mask, and sandblast. Can be used with all IKONICS Imaging photoresist films.

Spray-On Blastable Adhesive

- Lower viscosity for spray-on application
- Water-soluble
- Available in gallon only

Blastable Application Adhesive

- Higher viscosity for brush-on application
- Water-soluble
- Available in quart and gallon

Brush-On Blastable Adhesive

- Higher viscosity for brush-on application
- Higher tack - designed for ImagePro Red and PB Vinyl films
- Water-soluble
- Available in quart only

STORAGE

Store adhesive with the cap/spout closed at room temperature or cooler. To prevent contamination, never pour used adhesive back into the container.

SAFETY CONSIDERATIONS

[REFER TO INDIVIDUAL PRODUCT SDS](#) for safety information.

Wear eye and hand protection.

MATERIALS NEEDED

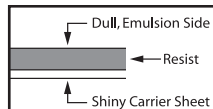
Photoresist Mask
Adhesive
Substrate
Squeegee or Roller

Foam brush or paint sprayer
(see *application method*)

APPLICATION METHOD: SPRAY-ON

Spray-On Adhesive is a water-soluble adhesive that can be applied by spraying it directly on the photo resist mask or substrate using a conventional paint sprayer (or similar type of air gun) with a minimum of 25 pounds of air pressure. NOTE: IKONICS IMAGING recommends the use of gloves and a dust mask when spraying adhesive. Use in a well ventilated area.

1. Place the mask in a vertical position with the emulsion side facing you.



2. Set the spray nozzle to a fine mist and apply a thin, even coat of adhesive directly to the mask. Do not apply too thickly, as excessive build-up may cause uneven blasting.

3. The film will have a slight sheen when adhesive is applied correctly. Allow to dry for 3-5 minutes or until clear.

NOTE: Over-drying will result in loss of tack. When dry, apply to the substrate.

4. Store adhesive with the cap/spout tightly closed at room temperature or cooler.

5. Remove any excess adhesive from the sprayer after use. Since the adhesive is water-soluble, it cleans up easily. Failure to clean the sprayer may lead to nozzle clogging.

NOTE: *IKONICS Imaging recommends the use of gloves and a dust mask when spraying adhesive. Use in a well-ventilated area.*

APPLICATION METHOD: BRUSH-ON

This application method is recommended for use with Blastable Application Adhesive and Brush-On Blastable Adhesive. These water-soluble adhesives can be applied by brushing them directly onto the substrate.

1. Using a foam brush, apply a thin, even coat of adhesive to the substrate.

2. The adhesive is a white and milky color during application, but dries to a clear finish. Drying takes approximately 10 minutes.

NOTE: *Drying can be accelerated using a conventional blow dryer. For best results, allow the coated object to sit at room temperature for a few minutes before force-drying to let the adhesive level out. Caution: Over-drying will result in loss of tack.*

3. After the adhesive turns clear, there is an approximate two-hour window to apply the mask to the adhesive before loss of tack occurs.

4. Apply the fully dry mask to the adhesive. Use a squeegee or roller to prevent large wrinkles or air pockets.

5. Once the mask is placed on the adhesive-coated area, bonding between the mask and substrate will improve over time. Objects can sit overnight or for several days without tack deterioration.

6. Store adhesive with the cap/spout tightly closed at room temperature. To prevent contamination, never pour used adhesive back into the container.

OPTIONAL: *If a thinner coat is preferred, dilute the adhesive with up to 3 parts isopropyl alcohol (rubbing alcohol). This step is recommended when blasting halftones.*



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